

Notice of Allowability

Application No.

09/743,115

Examiner

John Hoffmann

Applicant(s)

FUJIMAKI ET AL.

Art Unit

1731

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

6-23-03

1. ☒ This communication is responsive to amendment 7-31-03.
2. ☒ The allowed claim(s) is/are 1-1-10.
3. ☒ The drawings filed on 05 January 2001 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☒ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

5. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
 - (a) ☐ The translation of the foreign language provisional application has been received.
6. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

7. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
8. ☐ CORRECTED DRAWINGS must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No. _____.
 - (b) ☐ including changes required by the proposed drawing correction filed _____, which has been approved by the Examiner.
 - (c) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No. _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet.

9. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|--|
| 1 <input type="checkbox"/> Notice of References Cited (PTO-892) | 2 <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3 <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 4 <input type="checkbox"/> Interview Summary (PTO-413), Paper No. _____ |
| 5 <input type="checkbox"/> Information Disclosure Statements (PTO-1449), Paper No. _____ | 6 <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 7 <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material | 8 <input type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9 <input type="checkbox"/> Other |

John Hoffmann
Primary Examiner
Art Unit: 1731

8-29-03

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Daniel Basov on 29 August 2003.

The application has been amended as follows:

Claims 5-8 now read as:

- 5. An apparatus for measuring twisting of an optical fiber according to claim 2, wherein the two different directions in a plane perpendicular to the longitudinal direction of the optical fiber form an angle θ corresponding to an origin which is a core of the optical fiber, and the angle θ is set in the range of $0^\circ < \theta < 90^\circ$ or $90^\circ < \theta < 180^\circ$.
- 6. An apparatus for measuring twisting of an optical fiber according to claim 2, wherein the angle θ is set in the range of $25^\circ < \theta < 65^\circ$ or $115^\circ < \theta < 155^\circ$.
- 7. A method for manufacturing an optical fiber according to claim 3, wherein the steps of generating twisting in the optical fiber is provided with a pair of pulleys, and the pulleys

impact the twisting by moving the two pulleys forward and backward in opposing directions to each other along the center axial directions while sandwiching the optical fiber.

8. An apparatus for manufacturing an optical fiber according to claim 4, wherein the two different directions in a plane perpendicular to the longitudinal direction of the optical fiber form an angle θ corresponding to an edge which is a core of the optical fiber, and the angle θ is set in the range of $0^\circ < \theta < 90^\circ$ or $90^\circ < \theta < 180^\circ$.

9. An apparatus for manufacturing an optical fiber according to claim 4, wherein the angle θ is set in the range of $25^\circ < \theta < 65^\circ$ or $115^\circ < \theta < 155^\circ$.

10. An apparatus for manufacturing an optical fiber according to claim 4, wherein means for generating twisting in the optical fiber is provided with a pair of pulleys which impact the twisting by moving the two pulleys forward and backward in opposing directions to each other along the center axial directions while sandwiching the optical fiber. --

The following is an examiner's statement of reasons for allowance: Applicant's arguments of 6-23-03 were persuasive. Also, prior art methods with two different directions measure two different diameters.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably

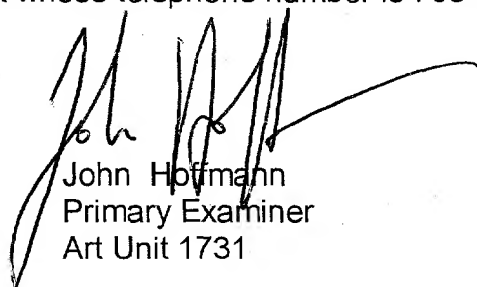
Art Unit: 1731

accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to John Hoffmann whose telephone number is 703-308-0469. The examiner can normally be reached on Monday through Friday, 7:00- 3:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Steve Griffin can be reached on 703-308-1164. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0651.



John Hoffmann
Primary Examiner
Art Unit 1731

jmh